

Additional file 11: Table S4. Bacterial strains used in this study.

Strain	Characteristics	Reference
<i>Agrobacterium tumefaciens</i> GV2260	Disarmed Ti plasmid; Rif ^R	[1]
<i>Escherichia coli</i> DH5α	F- Φ80lacZΔM15 Δ(<i>lacZYA-argF</i>) U169 <i>recA1 endA1 hsdR17</i> (rK-, mK+) <i>phoA</i> <i>supE44 λ-thi-1 gyrA96 relA1</i>	Invitrogen
<i>Pseudomonas syringae</i> pv. <i>tomato</i> (<i>Pst</i>) DC3000	Wild type; Rif ^R	[2]
<i>Pst</i> DC3000 Δ <i>hopQ1-1</i>	Δ <i>hopQ1-1</i> ; Rif ^R	[3]
<i>Pst</i> DC3000 Δ <i>hopQ1-1 ΔfliC</i>	Δ <i>hopQ1-1 ΔfliC</i> ; Rif ^R	[4]
<i>Pst</i> DC3000 Δ <i>hopQ1-1 ΔavrPto</i> Δ <i>avrPtoB</i>	Δ <i>hopQ1-1 ΔavrPto ΔavrPtoB</i> ; Rif ^R	[4]
<i>Pst</i> DC3000 Δ <i>hopQ1-1 ΔfliC</i> Δ <i>avrPto ΔavrPtoB</i>	Δ <i>hopQ1-1 ΔfliC ΔavrPto ΔavrPtoB</i> ; Rif ^R	[4]
<i>Pseudomonas syringae</i> pv. <i>tabaci</i> (<i>P. s. tabaci</i>)	Wild type; Rif ^R	[5]
<i>P. s. tabaci</i> HopQ1-1	pCPP5372:: <i>hopQ1-1</i> ; Rif ^R Gen ^R	[4]
<i>P. s. tabaci</i> AvrPto	pDSK519:: <i>avrPto</i> ; Rif ^R Kan ^R	[5]
<i>P. s. tabaci</i> AvrPto-I96A	pDSK519:: <i>avrPto-I96A</i> ; Rif ^R Kan ^R	[6]
<i>P. s. tabaci</i> empty vector	pDSK519; Rif ^R Kan ^R	[6]

Rif: rifampicin; Gen: gentamycin; Kan: Kanamycin.

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3. Wei CF, Kvitko BH, Shimizu R, Crabbill E, Alfano JR, Lin NC, Martin GB, Huang HC, Collmer A: **A *Pseudomonas syringae* pv. *tomato* DC3000 mutant**

lacking the type III effector HopQ1-1 is able to cause disease in the model plant *Nicotiana benthamiana*. *Plant J* 2007, **51:32-46.**

4. Kvitko BH, Park DH, Velasquez AC, Wei CF, Russell AB, Martin GB, Schneider DJ, Collmer A: **Deletions in the repertoire of *Pseudomonas syringae* pv. *tomato* DC3000 type III secretion effector genes reveal functional overlap among effectors.** *PLoS Pathog* 2009, **5**:e1000388.
5. Thilmony RT, Chen Z, Bressan RA, Martin GB: **Expression of the tomato *Pto* gene in tobacco enhances resistance to *Pseudomonas syringae* pv. *tabaci* expressing *avrPto*.** *Plant Cell* 1995, **7**:1529-1536.
6. Yeam I, Nguyen HP, Martin GB: **Phosphorylation of the *Pseudomonas syringae* effector AvrPto is required for FLS2/BAK1-independent virulence activity and recognition by tobacco.** *Plant J* 2010, **61**:16-24.